

## EAST Search History

Ref #	Hits	Search Query	DBs	Default Operator	Plurals	Time Stamp
S1	146	(257/532.ccls. 438/957.ccls.) and (metal adj oxide and capacitor)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/03/08 15:45
S2	16	((257/532.ccls. 438/957.ccls.) and (metal adj oxide and capacitor)) and buffer	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/12/29 10:52
S3	17	((257/532.ccls. 438/957.ccls.) and (metal adj oxide adj (buffer or layer)) and capacitor)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2003/03/13 15:16
S4	16	((257/532.ccls. 438/957.ccls.) and (metal adj oxide and capacitor)) and buffer	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2002/08/19 10:47
S5	14	(((257/532.ccls. 438/957.ccls.) and (metal adj oxide adj (buffer or layer)) and capacitor)) not (((257/532.ccls. 438/957.ccls.) and (metal adj oxide and capacitor)) and buffer )	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2003/03/13 15:17
S6	17	orthorhomic and (titanium or zirconium or ruthenium)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2002/08/20 10:24
S7	2	(257/532.ccls. 438/957.ccls.) and (metal adj oxide and capacitor) and (tungsten adj (oxide or trioxide))	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2002/08/19 15:46
S8	12	(tungsten adj (oxide or trioxide)) and ((tungsten adj nitride) with electrode)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2003/03/13 15:17
S9	119	orthorhombic with (titanium or zirconium or ruthenium)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2002/08/20 10:25

## EAST Search History

S10	22	orthorhombic with (tungsten)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2002/08/20 10:26
S11	3504	257/296,300,906,315.ccls.	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2003/03/13 15:45
S12	19	((257/532.ccls. 438/957.ccls.) and (metal adj oxide and capacitor)) and buffer-	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2003/03/13 15:17
S13	16	("5290609" "6320244" "6183255" "5741540" "5867444" "5856937" "4899203" "5177574").pn.	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2003/03/12 15:47
S14	8	("5290609" "6320244" "6183255" "5741540" "5867444" "5856937" "4899203" "5177574").pn.	USPAT	OR	ON	2003/03/12 15:47
S15	26	(257/532.ccls. 438/957.ccls.) and (metal adj oxide and capacitor) and @pd>"20020821"	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2003/12/14 16:08
S16	5	((257/532.ccls. 438/957.ccls.) and (metal adj oxide and capacitor)) and buffer and @pd>"20020821"	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2003/12/14 16:08
S17	4	((257/532.ccls. 438/957.ccls.) and (metal adj oxide adj (buffer or layer)) and capacitor) and @pd>"20020821"	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2003/12/14 16:08
S18	4	(((257/532.ccls. 438/957.ccls.) and (metal adj oxide adj (buffer or layer)) and capacitor)) not (((257/532.ccls. 438/957.ccls.) and (metal adj oxide and capacitor)) and buffer ) and @pd>"20020821"	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2003/12/14 16:08
S19	11	(tungsten adj (oxide or trioxide)) and ((tungsten adj nitride) with electrode) and @pd>"20020821"	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2003/12/14 16:09

## EAST Search History

S20	5	((257/532.ccls. 438/957.ccls.) and (metal adj oxide and capacitor)) and buffer and @pd>"20020821"	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2003/12/14 16:09
S21	37	((257/532.ccls. 438/957.ccls.) and (metal adj oxide and capacitor) and @pd>"20020821") (((257/532.ccls. 438/957.ccls.) and (metal adj oxide and capacitor)) and buffer and @pd>"20020821") (((257/532.ccls. 438/957.ccls.) and (metal adj oxide adj (buffer or layer)) and capacitor) and @pd>"20020821") (((257/532.ccls. 438/957.ccls.) and (metal adj oxide adj (buffer or layer)) and capacitor)) not (((257/532.ccls. 438/957.ccls.) and (metal adj oxide and capacitor)) and buffer ) and @pd>"20020821") ((tungsten adj (oxide or trioxide)) and ((tungsten adj nitride) with electrode) and @pd>"20020821") (((257/532.ccls. 438/957.ccls.) and (metal adj oxide and capacitor)) and buffer and @pd>"20020821")	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2003/07/18 13:59
S22	441	257/296,300,906,315.ccls. and @pd>"20020821"	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2003/07/18 14:07
S23	18	(257/532.ccls. 438/957.ccls.) and (metal adj oxide and capacitor) and @pd>"20030313"	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2003/12/14 16:09
S24	1	((257/532.ccls. 438/957.ccls.) and (metal adj oxide and capacitor)) and buffer and @pd>"20030313"	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2003/12/14 16:09
S25	1	((257/532.ccls. 438/957.ccls.) and (metal adj oxide adj (buffer or layer)) and capacitor) and @pd>"20030313"	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2003/12/14 16:09
S26	1	(((257/532.ccls. 438/957.ccls.) and (metal adj oxide adj (buffer or layer)) and capacitor)) not (((257/532.ccls. 438/957.ccls.) and (metal adj oxide and capacitor)) and buffer ) and @pd>"20030313"	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2003/12/14 16:10

## EAST Search History

S27	7	(tungsten adj (oxide or trioxide)) and ((tungsten adj nitride) with electrode) and @pd>"20030313"	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2003/12/14 16:10
S28	1	((257/532.ccls. 438/957.ccls.) and (metal adj oxide and capacitor)) and buffer and @pd>"20030313"	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2003/12/14 16:10
S29	25	((257/532.ccls. 438/957.ccls.) and (metal adj oxide and capacitor) and @pd>"20030313") (((257/532.ccls. 438/957.ccls.) and (metal adj oxide and capacitor)) and buffer and @pd>"20030313") (((257/532.ccls. 438/957.ccls.) and (metal adj oxide adj (buffer or layer)) and capacitor) and @pd>"20030313") (((257/532.ccls. 438/957.ccls.) and (metal adj oxide adj (buffer or layer)) and capacitor)) not (((257/532.ccls. 438/957.ccls.) and (metal adj oxide and capacitor)) and buffer ) and @pd>"20030313") ((tungsten adj (oxide or trioxide)) and ((tungsten adj nitride) with electrode) and @pd>"20030313") ((257/532.ccls. 438/957.ccls.) and (metal adj oxide and capacitor)) and buffer and @pd>"20030313")	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2003/12/14 16:10
S30	280	257/296,300,906,315.ccls. and @pd>"20030313"	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2003/12/14 16:17
S31	4	("6083765" "6194227" "6355492" "6454914").pn.	USPAT	OR	ON	2003/12/14 15:32
S32	4	("5867444" "5856937" "4899203" "5177574").pn.	USPAT	OR	ON	2003/12/14 15:41
S33	0	"10/215462"	USPAT	OR	ON	2003/12/14 15:42
S34	1	"20020192904"	US-PGPUB	OR	ON	2003/12/14 15:42
S35	15	(257/532.ccls. 438/957.ccls.) and (metal adj oxide and capacitor) and @pd>"20030718"	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2004/04/15 14:28

## EAST Search History

S36	2	((257/532.ccls. 438/957.ccls.) and (metal adj oxide and capacitor)) and buffer and @pd>"20030718"	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2004/04/15 14:28
S37	2	((257/532.ccls. 438/957.ccls.) and (metal adj oxide adj (buffer or layer)) and capacitor) and @pd>"20030718"	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2004/04/15 14:29
S38	2	(((257/532.ccls. 438/957.ccls.) and (metal adj oxide adj (buffer or layer)) and capacitor)) not (((257/532.ccls. 438/957.ccls.) and (metal adj oxide and capacitor)) and buffer ) and @pd>"20030718"	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2004/04/15 14:29
S39	5	(tungsten adj (oxide or trioxide)) and ((tungsten adj nitride) with electrode) and @pd>"20030718"	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2004/04/15 14:29
S40	2	((257/532.ccls. 438/957.ccls.) and (metal adj oxide and capacitor)) and buffer and @pd>"20030718"	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2004/04/15 14:29
S41	15	(257/532.ccls. 438/957.ccls.) and (metal adj oxide and capacitor) and @pd>"20030718"	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2004/04/15 14:29
S42	2	((257/532.ccls. 438/957.ccls.) and (metal adj oxide and capacitor)) and buffer and @pd>"20030718"	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2004/04/15 14:29
S43	2	((257/532.ccls. 438/957.ccls.) and (metal adj oxide adj (buffer or layer)) and capacitor) and @pd>"20030718"	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2004/04/15 14:29
S44	2	(((257/532.ccls. 438/957.ccls.) and (metal adj oxide adj (buffer or layer)) and capacitor)) not (((257/532.ccls. 438/957.ccls.) and (metal adj oxide and capacitor)) and buffer ) and @pd>"20030718"	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2004/04/15 14:30

## EAST Search History

S45	5	(tungsten adj (oxide or trioxide)) and ((tungsten adj nitride) with electrode) and @pd>"20030718"	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2004/04/15 14:30
S46	2	((257/532.ccls. 438/957.ccls.) and (metal adj oxide and capacitor)) and buffer and @pd>"20030718"	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2004/04/15 14:30

## EAST Search History

S47	25	(( "5867444" "5856937" "4899203" "5177574").pn.) "10/215462" "20020192904" ((257/532.ccls. 438/957.ccls.) and (metal adj oxide and capacitor) and @pd>"20030718") (((257/532.ccls. 438/957.ccls.) and (metal adj oxide and capacitor)) and buffer and @pd>"20030718") (((257/532.ccls. 438/957.ccls.) and (metal adj oxide adj (buffer or layer)) and capacitor) and @pd>"20030718") (((257/532. ccls. 438/957.ccls.) and (metal adj oxide adj (buffer or layer)) and capacitor)) not (((257/532.ccls. 438/957.ccls.) and (metal adj oxide and capacitor)) and buffer ) and @pd>"20030718") ((tungsten adj (oxide or trioxide)) and ((tungsten adj nitride) with electrode) and @pd>"20030718") (((257/532.ccls. 438/957.ccls.) and (metal adj oxide and capacitor)) and buffer and @pd>"20030718") ((257/532.ccls. 438/957.ccls.) and (metal adj oxide and capacitor) and @pd>"20030718") (((257/532.ccls. 438/957.ccls.) and (metal adj oxide adj (buffer or layer)) and capacitor) and @pd>"20030718") (((257/532. ccls. 438/957.ccls.) and (metal adj oxide adj (buffer or layer)) and capacitor)) not (((257/532.ccls. 438/957.ccls.) and (metal adj oxide and capacitor)) and buffer ) and @pd>"20030718") ((tungsten adj (oxide or trioxide)) and ((tungsten adj nitride) with electrode) and @pd>"20030718") (((257/532.ccls. 438/957.ccls.) and (metal adj oxide and capacitor)) and buffer and @pd>"20030718")	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2003/12/14 16:10
S48	265	257/296,300,906,315.ccls. and @pd>"20030718"	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2004/04/15 14:30

## EAST Search History

S49	9	(257/532.ccls. 438/957.ccls.) and (metal adj oxide and capacitor) and @pd>"20031214"	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2004/09/15 16:26
S50	2	((257/532.ccls. 438/957.ccls.) and (metal adj oxide and capacitor)) and buffer and @pd>"20031214"	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2004/09/15 16:26
S51	1	((257/532.ccls. 438/957.ccls.) and (metal adj oxide adj (buffer or layer)) and capacitor) and @pd>"20031214"	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2004/09/15 16:27
S52	0	((257/532.ccls. 438/957.ccls.) and (metal adj oxide adj (buffer or layer)) and capacitor)) not (((257/532.ccls. 438/957.ccls.) and (metal adj oxide and capacitor)) and buffer ) and @pd>"20031214"	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2004/04/15 14:29
S53	1	(tungsten adj (oxide or trioxide)) and ((tungsten adj nitride) with electrode) and @pd>"20031214"	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2004/09/15 16:27
S54	2	((257/532.ccls. 438/957.ccls.) and (metal adj oxide and capacitor)) and buffer and @pd>"20031214"	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2004/09/15 16:27
S55	9	(257/532.ccls. 438/957.ccls.) and (metal adj oxide and capacitor) and @pd>"20031214"	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2004/09/15 16:27
S56	2	((257/532.ccls. 438/957.ccls.) and (metal adj oxide and capacitor)) and buffer and @pd>"20031214"	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2004/09/15 16:27
S57	1	((257/532.ccls. 438/957.ccls.) and (metal adj oxide adj (buffer or layer)) and capacitor) and @pd>"20031214"	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2004/09/15 16:28

## EAST Search History

S58	0	(((257/532.ccls. 438/957.ccls.) and (metal adj oxide adj (buffer or layer)) and capacitor)) not (((257/532.ccls. 438/957.ccls.) and (metal adj oxide and capacitor)) and buffer ) and @pd>"20031214"	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2004/04/15 14:30
S59	1	(tungsten adj (oxide or trioxide)) and ((tungsten adj nitride) with electrode) and @pd>"20031214"	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2004/04/15 14:30
S60	2	((257/532.ccls. 438/957.ccls.) and (metal adj oxide and capacitor)) and buffer and @pd>"20031214"	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2004/09/15 16:28
S61	259	257/296,300,906,315.ccls. and @pd>"20031214"	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2004/09/15 16:38

## EAST Search History

S62	10	((257/532.cccls. 438/957.cccls.) and (metal adj oxide and capacitor) and @pd>"20031214") (((257/532.cccls. 438/957.cccls.) and (metal adj oxide and capacitor)) and buffer and @pd>"20031214") (((257/532.cccls. 438/957.cccls.) and (metal adj oxide adj (buffer or layer)) and capacitor) and @pd>"20031214") (((257/532.cccls. 438/957.cccls.) and (metal adj oxide adj (buffer or layer)) and capacitor)) not (((257/532.cccls. 438/957.cccls.) and (metal adj oxide and capacitor)) and buffer ) and @pd>"20031214" ((tungsten adj (oxide or trioxide)) and ((tungsten adj nitride) with electrode) and @pd>"20031214") (((257/532.cccls. 438/957.cccls.) and (metal adj oxide and capacitor)) and buffer and @pd>"20031214") ((257/532.cccls. 438/957.cccls.) and (metal adj oxide and capacitor)) and buffer and @pd>"20031214" ((257/532.cccls. 438/957.cccls.) and (metal adj oxide adj (buffer or layer)) and capacitor) and @pd>"20031214") (((257/532.cccls. 438/957.cccls.) and (metal adj oxide adj (buffer or layer)) and capacitor)) not (((257/532.cccls. 438/957.cccls.) and (metal adj oxide and capacitor)) and buffer ) and @pd>"20031214" ((tungsten adj (oxide or trioxide)) and ((tungsten adj nitride) with electrode) and @pd>"20031214") (((257/532.cccls. 438/957.cccls.) and (metal adj oxide and capacitor)) and buffer and @pd>"20031214"))	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2004/04/15 14:32
S63	2	"20010024387".pn.	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2004/04/15 14:32
S64	2	"20020036313".pn.	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2004/04/15 14:33

## EAST Search History

S65	33	("4519851" "5480748" "5663088" "5686748" "5814852" "5916365" "5977581" "6008086" "6017789" "6025257" "6124769" "6391801" "6417537" "6475856" "6524867" "6596583" "6617248" "6631069").pn.	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2004/04/15 14:36
S66	2	"20020070414".pn.	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2004/09/15 16:22
S67	17	(257/532.ccls. 438/957.ccls.) and (metal adj oxide and capacitor) and @pd>"20040415"	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2004/09/15 16:26
S68	0	((257/532.ccls. 438/957.ccls.) and (metal adj oxide and capacitor)) and buffer and @pd>"20040415"	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2004/09/15 16:27
S69	1	((257/532.ccls. 438/957.ccls.) and (metal adj oxide adj (buffer or layer)) and capacitor) and @pd>"20040415"	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2004/09/15 16:27
S70	14	(tungsten adj (oxide or trioxide)) and ((tungsten adj nitride) with electrode) and @pd>"20040415"	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2004/09/15 16:27
S71	0	((257/532.ccls. 438/957.ccls.) and (metal adj oxide and capacitor)) and buffer and @pd>"20040415"	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2004/09/15 16:27
S72	17	(257/532.ccls. 438/957.ccls.) and (metal adj oxide and capacitor) and @pd>"20040415"	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2004/09/15 16:40
S73	0	((257/532.ccls. 438/957.ccls.) and (metal adj oxide and capacitor)) and buffer and @pd>"20040415"	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2004/09/15 16:28

## EAST Search History

S74	1	((257/532.ccls. 438/957.ccls.) and (metal adj oxide adj (buffer or layer)) and capacitor) and @pd>"20040415"	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2004/09/15 16:28
S75	0	((257/532.ccls. 438/957.ccls.) and (metal adj oxide and capacitor)) and buffer and @pd>"20040415"	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2004/09/15 16:28
S76	33	"20020070414".pn. ((257/532.ccls. 438/957.ccls.) and (metal adj oxide and capacitor) and @pd>"20040415") (((257/532.ccls. 438/957.ccls.) and (metal adj oxide adj (buffer or layer)) and capacitor) and @pd>"20040415") ((tungsten adj (oxide or trioxide)) and ((tungsten adj nitride) with electrode) and @pd>"20040415") ((257/532.ccls. 438/957.ccls.) and (metal adj oxide and capacitor) and @pd>"20040415") (((257/532.ccls. 438/957.ccls.) and (metal adj oxide adj (buffer or layer)) and capacitor) and @pd>"20040415")	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/06/01 17:03
S77	350	257/296,300,906,315.ccls. and @pd>"20040415"	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2004/09/15 16:38
S78	17	(257/532.ccls. 438/957.ccls.) and (metal adj oxide and capacitor) and @pd>"20040415"	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2004/09/15 16:41
S79	33	("20020022334" "5122923" "5335138" "5834357" "5838035" "5851896" "5936831" "6078493" "6090697" "6165834" "6235572" "6255698" "6271085" "6291290" "6294425" "6303426" "6475854").pn.	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/06/01 16:20
S80	0	("20020022334" "5122923" "5335138" "5834357" "5838035" "5851896" "5936831" "6078493" "6090697" "6165834" "6235572" "6255698" "6271085" "6291290" "6294425" "6303426" "6475854").pn. and (tungsten adj nitride) and (tungsten adj oxide)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/06/01 17:10

## EAST Search History

S81	0	("20020022334" "5122923" "5335138" "5834357" "5838035" "5851896" "5936831" "6078493" "6090697" "6165834" "6235572" "6255698" "6271085" "6291290" "6294425" "6303426" "6475854"). pn. and orthor\$	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/06/01 17:10
S82	0	("20020022334" "5122923" "5335138" "5834357" "5838035" "5851896" "5936831" "6078493" "6090697" "6165834" "6235572" "6255698" "6271085" "6291290" "6294425" "6303426" "6475854"). pn. and (tungsten adj trioxide)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/06/01 17:10
S83	0	("20020022334" "5122923" "5335138" "5834357" "5838035" "5851896" "5936831" "6078493" "6090697" "6165834" "6235572" "6255698" "6271085" "6291290" "6294425" "6303426" "6475854"). pn. and (tungsten adj oxide)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/06/01 17:10
S84	6	("20020022334" "5122923" "5335138" "5834357" "5838035" "5851896" "5936831" "6078493" "6090697" "6165834" "6235572" "6255698" "6271085" "6291290" "6294425" "6303426" "6475854"). pn. and (refractory)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/06/01 17:11
S85	0	("20020022334" "5122923" "5335138" "5834357" "5838035" "5851896" "5936831" "6078493" "6090697" "6165834" "6235572" "6255698" "6271085" "6291290" "6294425" "6303426" "6475854"). pn. and (refractory) and (metal adj oxide adj buffer)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/06/01 17:11
S86	0	("20020022334" "5122923" "5335138" "5834357" "5838035" "5851896" "5936831" "6078493" "6090697" "6165834" "6235572" "6255698" "6271085" "6291290" "6294425" "6303426" "6475854"). pn. and (metal adj nitride) and (metal adj oxide adj buffer)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/06/01 17:11
S87	0	("20020022334" "5122923" "5335138" "5834357" "5838035" "5851896" "5936831" "6078493" "6090697" "6165834" "6235572" "6255698" "6271085" "6291290" "6294425" "6303426" "6475854"). pn. and (tungsten adj oxide adj buffer)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/06/01 17:11

## EAST Search History

S88	0	("20020022334" "5122923" "5335138" "5834357" "5838035" "5851896" "5936831" "6078493" "6090697" "6165834" "6235572" "6255698" "6271085" "6291290" "6294425" "6303426" "6475854"). pn. and (metal adj oxide adj buffer)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/06/01 17:11
S89	145	"20020070414".pn. ((257/532.ccls. 257/296,300,906,315.ccls. 438/957. ccls.) and (metal adj oxide and capacitor) and @pd>"20040915") (((257/532.ccls. 257/296,300,906, 315.ccls. 438/957.ccls.) and (metal adj oxide adj (buffer or layer)) and capacitor) and @pd>"20040915") ((tungsten adj (oxide or trioxide)) and ((tungsten adj nitride) with electrode) and @pd>"20040915") ((257/532.ccls. 257/296,300,906, 315.ccls. 438/957.ccls.) and (metal adj oxide and capacitor) and @pd>"20040915") (((257/532.ccls. 257/296,300,906,315.ccls. 438/957. ccls.) and (metal adj oxide adj (buffer or layer)) and capacitor) and @pd>"20040915")	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/06/01 17:10
S90	10	S89 and (tungsten adj nitride) and (tungsten adj oxide)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/06/01 17:10
S91	2	S89 and orthor\$	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/06/01 17:10
S92	0	S89 and (tungsten adj trioxide)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/06/01 17:10
S93	11	S89 and (tungsten adj oxide)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/06/01 17:10
S94	21	S89 and (refractory)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/06/01 17:11

## EAST Search History

S95	0	S89 and (refractory) and (metal adj oxide adj buffer)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/06/01 17:11
S96	0	S89 and (metal adj nitride) and (metal adj oxide adj buffer)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/06/01 17:11
S97	0	S89 and (tungsten adj oxide adj buffer)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/06/01 17:11
S98	0	S89 and (metal adj oxide adj buffer)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/06/01 17:11
S99	30	S90 S91 S92 S93 S94 S95 S96 S97 S98	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/09/22 15:44
S100	2	"4937650".pn.	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/02/12 14:30
S102	5	orthorhombic same (tantalum adj oxide)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/12/02 15:34
S103	2	"09/745114"	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/02/22 14:27
S104	2	"20020070414".pn.	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/12/27 13:34
S105	2	"6454914".pn.	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/12/02 15:15

## EAST Search History

S10 6	0	orthorhombic with (tantalum adj oxide)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/12/02 15:34
S10 7	1	orthorhombic with (tantalum with oxide)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/12/02 15:34
S10 9	2	"5558961".pn.	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/08/04 14:21
S11 0	1	"10/215462"	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/12/27 13:34
S11 1	31	((257/532.ccls. 438/957.ccls.) and (metal adj oxide and capacitor)) and buffer	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/12/29 11:00
S11 2	10	((257/532.ccls. 438/957.ccls.) and (metal adj oxide and capacitor)) and buffer and tungsten	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/12/29 11:19
S11 3	0	((257/532.ccls. 438/957.ccls.) and (metal adj oxide and capacitor)) and buffer and (tungsten adj oxide)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/12/29 11:19
S11 4	2	((257/532.ccls. 438/957.ccls.) and (metal adj oxide and capacitor)) and (tungsten adj oxide)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/12/29 11:19
S11 5	15	((257/532-535.ccls. 438/957.ccls.) and (metal adj oxide and capacitor)) and buffer and tungsten	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/12/29 11:19
S11 6	10	((257/532.ccls. 438/957.ccls.) and (metal adj oxide and capacitor)) and buffer and tungsten	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/12/29 11:19

## EAST Search History

S11 7	0	((257/532-535.ccls. 438/957.ccls.) and (metal adj oxide and capacitor)) and buffer and (tungsten adj oxide)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/12/29 11:19
S11 8	4	((257/532-535.ccls. 438/957.ccls.) and (metal adj oxide and capacitor)) and (tungsten adj oxide)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/12/29 11:20
S11 9	5	S115 not S116	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/12/29 11:20
S12 0	9	S118 S119	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/09/22 15:43
S12 1	132	(tungsten adj oxide) same dielectric same electrode	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/08/04 14:22
S12 2	0	(257/532.ccls. 438/957.ccls.) and (tungsten adj oxide same dielectric same electrode)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/08/04 14:23
S12 3	5	(257/532-535.ccls. 438/957.ccls. 257/296,300,906,315.ccls.) and (tungsten adj oxide same dielectric same electrode)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/08/08 11:41
S12 4	3	"5189503".pn.	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/08/04 15:00
S12 5	2	"20050167726".pn.	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/08/04 15:00
S12 6	2	(257/532-535.ccls. 438/957.ccls. 257/296,300,906,315.ccls.) and (tungsten adj oxide same dielectric same electrode) and (tungsten adj nitride)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/08/08 11:42

## EAST Search History

S12 7	16	((257/532-535.ccls. 438/957.ccls.) and (metal adj oxide and capacitor)) and buffer and tungsten	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/09/22 15:43
S12 8	11	((257/532.ccls. 438/957.ccls.) and (metal adj oxide and capacitor)) and buffer and tungsten	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/09/22 15:43
S12 9	4	((257/532-535.ccls. 438/957.ccls.) and (metal adj oxide and capacitor)) and (tungsten adj oxide)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/09/22 15:43
S13 0	5	S127 not S128	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/09/22 15:43
S13 1	4	S129 S130 and @pd>"20051229"	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/09/22 15:45
S13 2	389	"20020070414".pn. ((257/532.ccls. 257/296,300,906,315.ccls. 438/957.ccls.) and (metal adj oxide and capacitor) and @pd>"20040915") (((257/532.ccls. 257/296,300,906,315.ccls. 438/957.ccls.) and (metal adj oxide adj (buffer or layer)) and capacitor) and @pd>"20040915") ((tungsten adj (oxide or trioxide)) and ((tungsten adj nitride) with electrode) and @pd>"20040915") (((257/532.ccls. 257/296,300,906,315.ccls. 438/957.ccls.) and (metal adj oxide and capacitor) and @pd>"20040915") (((257/532.ccls. 257/296,300,906,315.ccls. 438/957.ccls.) and (metal adj oxide adj (buffer or layer)) and capacitor) and @pd>"20040915")	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/09/22 15:44
S13 3	31	S132 and (tungsten adj nitride) and (tungsten adj oxide)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/09/22 15:44

## EAST Search History

S13 4	3	S132 and orthor\$	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/09/22 15:44
S13 5	0	S132 and (tungsten adj trioxide)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/09/22 15:44
S13 6	38	S132 and (tungsten adj oxide)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/09/22 15:44
S13 7	46	S132 and (refractory)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/09/22 15:44
S13 8	0	S132 and (refractory) and (metal adj oxide adj buffer)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/09/22 15:44
S13 9	0	S132 and (metal adj nitride) and (metal adj oxide adj buffer)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/09/22 15:44
S14 0	0	S132 and (tungsten adj oxide adj buffer)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/09/22 15:44
S14 1	0	S132 and (metal adj oxide adj buffer)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/09/22 15:44
S14 2	79	S133 S134 S135 S136 S137 S138 S139 S140 S141 and @pd>"20051229"	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/09/22 15:44

## EAST Search History

S14 3	43	("20020074584" "20020164863" "20050167726" "20050224897" "20050287751" "4152490" "5189503" "5195018" "5225286" "5362632" "5387480" "5582312" "5589733" "5719425" "5719607" "5793057" "5841186" "5859760" "5866460" "5910880" "5981333" "5981350" "5985714" "5985732" "6037235" "6204203" "6207561" "6215650" "6218256" "6248640" "6265260" "6284655" "6339009" "6352865" "6362068" "6387749" "6403415" "6448128" "6451646" "6541330" "6548368" "6599807" "7018868").pn.	US-PGPUB; USPAT; EPO; JPO; IBM_TDB	OR	ON	2007/02/12 13:56
S14 4	18	((tungsten adj nitride) with electrode) same (tungsten adj oxide)) and capacitor and dielectric	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/02/12 14:31
S14 6	2	"5558961".pn.	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/02/20 13:56
S14 7	4	capacitor and ((bottom adj electrode) same (top adj electrode)) and (metal adj oxide adj buffer) and (orthorhombic or orthorhombic)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/02/20 14:47
S14 8	5	capacitor and ((bottom adj electrode) same (top adj electrode)) and ((metal adj oxide) same (orthorhombic or orthorhombic))	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/02/20 14:51
S14 9	2	"20050167726".pn.	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/02/20 14:55
S15 0	2	"6451646".pn.	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/02/20 15:14
S15 1	97	(orthorhombic or orthorhombic) with (metal adj oxide)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/02/20 15:15

## EAST Search History

S15 2	18	((orthorhombic or orthorhomic) with (metal adj oxide)) same (tungsten or titanium)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/02/20 15:31
S15 3	486	(titanium adj dioxide) with (dielectric adj constant)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/02/20 15:33
S15 4	6	(tungsten adj dioxide) with (dielectric adj constant)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/02/20 15:39
S15 5	2	"6303427".pn.	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/02/20 15:39
S15 6	3	"5189503".pn.	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/02/22 15:07
S15 7	2	"6475854".pn.	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/02/22 15:15
S15 8	2	"20020070414".pn.	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/02/22 15:16
S15 9	2	"6960541".pn.	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/02/22 15:49
S16 0	2	"6355492".pn.	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/02/22 15:50
S16 1	2	"4937650".pn.	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/03/08 14:05

## EAST Search History

S16 2	322	(anneal\$3 with electrode) and capacitor and (anneal\$3 with (metal adj oxide))	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/03/08 14:09
S16 3	27	(anneal\$3 with electrode) and capacitor and (anneal\$3 with (metal adj oxide)) and (buffer same dielectric)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/03/08 14:10
S16 4	7120	257/296,300,906,315.ccls.	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/03/08 15:48
S16 5	322	(anneal\$3 with electrode) and capacitor and (anneal\$3 with (metal adj oxide))	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/03/08 15:48
S16 6	0	S165 and S164 and 257/532-535. ccls. and 438/957.ccls.	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/03/08 15:50
S16 7	0	S165 and S164 and 257/532-535. ccls. and 438/957.ccls. and 257/E21.008,E21.647.ccls.	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/03/08 15:50
S16 8	7	(capacitor and electrode and (tungsten adj nitride) and (tungsten adj oxide)).clm.	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/03/08 15:51